

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
Certification under 37 CFR §1.10 (if applicable)

**EV 099149623 US**

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**November 25, 2003**

Date of Deposit

I hereby certify that this transmittal and the documents and/or fees hereon and attached hereto have been deposited as "Express Mail Post Office to Addressee" in accordance with 37 CFR §1.10, with Express Mail Label Number above listed.

**Valerie Peterson**

(Print Name of Person Mailing Application)

  
(Signature of Person Mailing Application)

**Transmittal of Utility Patent Application for Filing Under 37 CFR §1.53(b)**

**Mail Stop: Patent Application**

**Commissioner for Patents**

**P.O. Box 1450, Alexandria, VA 22313-1450**

Sir: Transmitted herewith for filing is a patent application by inventors: Yongsam MOON, Deog-Kyoon JEONG and Gijung AHN, and entitled:

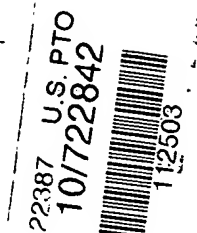
**WIDE RANGE MULTI-PHASE DELAY-LOCKED LOOP**

1. Enclosed are:

- ☒ This Transmittal letter
- ☒ One stamped, self-addressed postcard for PTO datestamp
- ☒ Certificate of Express Mail
- ☒ One utility patent application containing: 16 pages Specification; 2 pages Claims; and 1 page Abstract; and
- ☒ 11 Sheets of drawings
- ☒ Copy of Declaration and Power of Attorney For Original U.S. Patent Application (signed)
- ☒ Check for fees described below
- ☒ Information Disclosure Statement
- ☒ PTO 1449 Form, and 8 copies of cited references

2. U.S. Priority

- ☒ This application is a continuation of co-pending U.S. Patent Application entitled "Tracked 3X Oversampling Receiver", serial number 10/612,840 (attorney docket no. 59472-8086.US03), filed on July 3, 2003, and is incorporated herein by reference, which is a continuation of serial number 10/356,695 (attorney docket no. 59472-8086.US01), filed on January 30, 2003, and is incorporated herein by reference, which is a continuation of U.S. Patent Application entitled "0.6-2.5 Gbaud CMOS Tracked 3X Oversampling Transceiver With Dead Zone-Phase Detection for Robust Clock Data Recovery", serial number 10/305,254 (attorney docket no. 59472-8079.US01) filed on November 25, 2002 and is incorporated by reference, which claims the benefits of U.S. Provisional Patent Application entitled "0.6-2.5 Gbaud CMOS Tracked 3X Oversampling Transceiver With Dead Zone-Phase Detection for Robust Clock Data Recovery", serial number 60/333,439 (attorney docket no. 59472-8079.US00), filed on November 26, 2001, and is incorporated herein by reference. U.S. Patent Application entitled "Frequency Comparator With Hysteresis Between Locked And Unlocked Conditions", serial number 10/356,695 (attorney docket no. 59472-8086.US01), filed on



January 30, 2003 (which the present application is a continuation of) is also a Continuation-in-Part and claims the benefits of U.S. Patent Application entitled "Implementing an Oversampling Transceiver with Dead-Zone Phase Detection", serial number 09/948,123 (attorney docket no. 59472-8055.US01) filed on September 5, 2001, which is also incorporated herein by reference.

- ☒ Conditional Petition for Extension of Time: An Extension of Time is requested to provide for timely filing *if* required to establish copendency with the parent after all papers filed herewith have been considered.

3. Foreign Priority

- ☐ Priority of Application No. \_\_\_\_\_ filed in Japan on \_\_\_\_\_ is claimed under 35 USC §119.  
☐ A certified copy of this priority document is enclosed.

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☐ A certified copy of this priority document is enclosed.

4. Fees

The filing fee has been calculated as shown below:

For:	(Col. 1) No. Filed	(Col. 2) No. Extra	Small Entity			Other Than a Small Entity	
			Rate	Fee		Rate	Fee
Basic Fee	*****	*****	*****	\$385.00	Or		\$770.00
Total Claims	6 - 20		X \$ 9 =	\$	Or	X \$ 18 =	\$ .00
Independent Claims	1 - 3		X \$43=	\$	Or	X \$ 86=	\$ .00
<input type="checkbox"/> Multiple Dependent Claim Presented			+ \$145=	\$	Or	+ \$290=	\$ -0-
<input checked="" type="checkbox"/> Assignment recordation fee (\$40)							\$ .00
*If the difference in Col. 1 is less than zero, enter "0" in Col. 2.			TOTAL	\$	O r	TOTAL	\$770.00

- ☐ Applicant claims small entity status. See 37 CFR §1.27.
- ☒ Check no. 1939 in the amount of **\$770.00** is enclosed to cover the Filing Fees.
- ☐ Please charge Deposit Account No. 50-2207 in the amount of \$ \_\_\_\_\_.
- ☒ The Commissioner is hereby authorized to charge fees under 37 CFR §1.16 and §1.17 which may be required, or credit any overpayment to Deposit Account No. 50-2207.

Respectfully submitted,

Date: November 25, 2003

  
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